

## PLARB-667BDR Delta III [Kalmar] - 1982

### Soviet Union [-1991]

Type: SSBN - Nuclear Powered Ballistic

Missile Submarine

Max Depth: -320 m

Max Speed: 24 kt

Commissioned: 1982

Decommissioned: 1991

Length: 166.0 m

Beam: 12.3 m

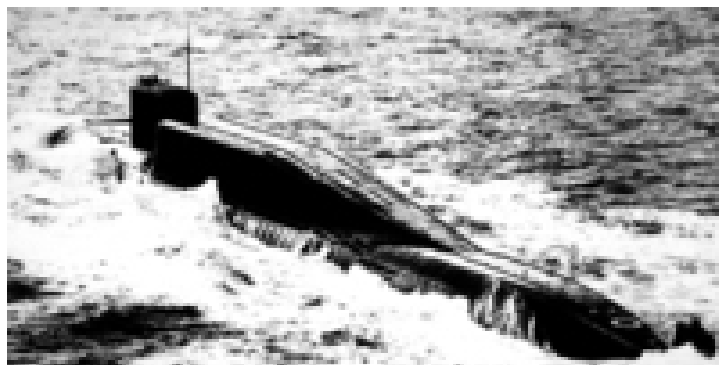
Draft: 8.8 m

Crew: 135

Displacement: 13500 t

Displacement Full: 18200 t

Propulsion: 1x Nuclear Reactor



#### Sensors / EW:

- Shark Gill [MGK-400 Rubikon] - (Assoc w MG-53, MG-519) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 27.8 km
- Park Lamp - (Assoc w MG-53, MG-519) ESM, HF/DF, Max range: 926 km
- Mouse Roar [MG-519 Arfa] - (MGK-400 Rubikon Suite) Hull Sonar, Active-Only, Hull Sonar, Active-Only Mine & Obstacle Avoidance, Max range: 0.9 km
- Brick Pulp [MRP-10] - (Mod Yankee, Delta I/II/III) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- Acoustic Intercept [MG-53] - (MGK-400 Rubicon Suite) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- Snoop Tray 2 [MRK-50 Kaskad] - (MGK-400 Rubicon Suite) Radar, Radar, Surface Search, Short-Range, Max range: 37 km
- Generic Submarine Periscope, Optical - (1970s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (1970s, Gen 1, 1x/2x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 27.8 km

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#### Weapons / Loadouts:

- SS-N-18 Stingray Mod 1 [3 MIRV x 500kT Nuclear] - (1978) Guided Weapon. Land Max: 6482 km.
- Generic Acoustic Decoy - (1980s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.
- MG-44 Korund - (Self-Propelled Submarine Simulator, Torpedo Decoy) Decoy (Expendable). Subsurface Max: 1.9 km.
- SS-N-15 Starfish [RPK-6 Vodopad, UMG-1 Torpedo] - (1982, 83R) Guided Weapon. Subsurface Max: 40.7 km.
- SS-N-15 Starfish [RPK-6 Vodopad, 5kT Nuclear] - (1982, 83R) Guided Weapon. Subsurface Max: 40.7 km.
- MG-74 - (Torpedo Decoy) Decoy (Expendable). Subsurface Max: 1.9 km.
- USET-80 - (1981) Torpedo. Surface Max: 9.3 km. Subsurface Max: 9.3 km.
- VA-111 Shkval [Nuclear, 10kT] - (1978? 1994?) Torpedo. Surface Max: 14.8 km. Subsurface Max: 14.8 km.

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**OVERVIEW:** The DELTA III (Project 667 BDR) is a nuclear powered ballistic missile submarine.

**DETAILS:** The DELTA III SSBN has a double hull design similar to previous Delta classes. Externally, it differs mainly in the larger turtle back aft of its sail. This larger structure enables the DELTA III to carry the larger SS-N-18 missile. Unlike previous Soviet SSBNs, it could fire any number of SLBMs in a single salvo. It remains in service with the Russian navy.

**NOTES:**

Displacement: 18,200 tons submerged.

Speed: approximately 23-24 knts submerged

Reactors: 2 pressurized water

Complement: 130 (approx.)

Hulls built: 14

Period of Service: 1976-to date

**SOURCES:** Norman Polmar, "Guide to the Soviet Navy, 3rd ed. (Annapolis, MD: Naval Institute Press, 1983), 84-85 ; Federation of American Scientists. "667BDR DELTA III - Russian and Soviet Nuclear Forces." Accessed November 23, 2013. <http://www.fas.org/nuke/guide/russia/slbm/667BDR.htm> ; Russian strategic nuclear forces. "Strategic fleet - Russian strategic nuclear forces." Accessed November 23, 2013. <http://russianforces.org/navy/>